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## Altmetric opportunities for Libraries

Gerritsma, W.

2015

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# *ALTMETRIC OPPORTUNITIES FOR LIBRARIES*

WOUTER GERRITSMA, VU UNIVERSITY AMSTERDAM  
@WOWTER

# CONTENTS

- The Library as the natural place for Altmetrics

## Major library roles

- Outreach
- Collecting
- Groundwork

This presentation is available at

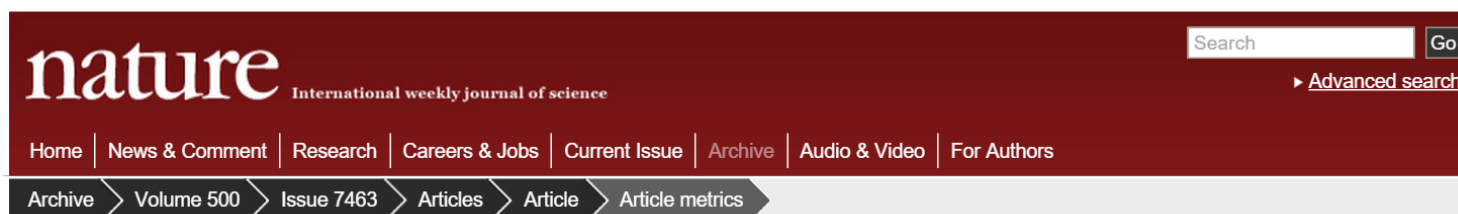
<http://www.slideshare.net/Wowter/altmetric-opportunities-for-libraries-2am-conference-2015>

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# WHERE RESEARCHERS COME ACROSS ALTMETRICS



Article metrics for:

## Signatures of mutational processes in human cancer

Ludmil B. Alexandrov, Serena Nik-Zainal, David C. Wedge, Samuel A. J. R. Aparicio, Sam Behjati, Andrew V. Biankin, Graham R. Bignell, Niccolò Bolli, Ake Borg, Anne-Lise Børresen-Dale, Sandrine Boyault, Birgit Burkhardt, Adam P. Butler, Carlos Caldas, Helen R. Davies, Christine Desmedt, Roland Eils, Jónunn Erla Eyfjörð, John A. Foekens, Mel Greaves, Fumie Hosoda, Barbara Hutter, Tomislav Ilicic, Sandrine Imbeaud, Marcin Imielinski *et al.*

*Nature* 500, 415–421 (22 August 2013) | doi:10.1038/nature12477

Last updated: 5 October 2015 19:44:9 EDT

### Total citations



### Online attention



This Altmetric score means that the article is:

- in the 99 percentile (ranked 96th) of the 89,202 tracked articles of a similar age in all journals
- in the 95 percentile (ranked 39th) of the 951 tracked articles of a similar age in *Nature*

### Page views

200,725



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The screenshot shows the top of a research article page. At the top left is the 'nature' logo. Below it is a teal banner with the text 'JOURNAL OF THE ASSOCIATION FOR INFORMATION SCIENCE AND TECHNOLOGY'. Underneath the banner is the text 'ADVANCES IN INFORMATION SCIENCE'. The article title is 'What is societal impact of research and how can it be assessed? a literature survey'. The author is 'Lutz Bornmann'. The article was first published online on 17 DEC 2012, with DOI: 10.1002/asi.22803. The copyright is © 2012 ASIS&T. To the right of the article information is a small image of the JASIST journal cover. Below the article information is an 'Am score' badge showing a score of 16. At the bottom of the article information section are links for 'Additional Information (Show All)', 'How to Cite', 'Author Information', and 'Publication History'. On the far right of the article information section is a 'FREE' icon.

nature International weekly journal of science  
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Sci  
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To

JOURNAL OF THE ASSOCIATION FOR  
INFORMATION SCIENCE AND TECHNOLOGY

ADVANCES IN INFORMATION SCIENCE

What is societal impact of research and how can it be assessed? a literature survey

Pa

Lutz Bornmann

Article first published online: 17 DEC 2012  
DOI: 10.1002/asi.22803  
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Issue

JOURNAL OF THE  
AMERICAN  
SOCIETY FOR  
INFORMATION  
SCIENCE AND  
TECHNOLOGY  
JASIST

Journal of the American  
Society for Information  
Science and Technology  
Volume 64, Issue 2, pages  
217–233, February 2013

Am score 16

Additional Information (Show All)

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☐ Expand beyond library collections

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**Author**

Show bX Hot Articles ▾

Results 1 - 10 of 322 for All

Sorted by: Relevance ▾

1 2 3 4 5 ➔

Show only Peer-reviewed Journals (269) | Full Text Online (282)



Article



Measuring the societal impact of research: research is less and less assessed on scientific impact alone--we should aim to quantify the increasingly important contributions of science to society

Bornmann, Lutz

EMBO reports 2012, Vol.13(8), pp.673-6 [Peer Reviewed Journal]

**Full text available**

Altmetric 10

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Article



The economics of enhanced landfill mining: private and societal performance drivers

Van Passel, Steven ; Dubois, Maarten ; Eyckmans, Johan ; de Gheldere, Serge ; Ang, Frederic ; Tom Jones, Peter ; Van Acker, Karel

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WHERE RESEARCHERS COME ACROSS ALTMETRICS

International journal of science  
Home | News & Comment | Research | Currents & Jobs | Contact Us  
Active | Volume 500 | Issue 7483 | Archive | Article | Article metrics for:  
**Signatures of mutational processes in human cancer**  
Ludmil B. Alexandrov, Serena Nik-Zainal, David C. Wedge, Samuel A. J. R. Burgess, Anne-Laure Barres-Barry, Sandrine Bayard, Birgit Burkhardt, Adam Jorram, Eric Elyford, John A. Fooks, Mel Greaves, Fanfan Houde, Boris J. Izzi, et al.  
Nature 500, 415–421 (22 August 2013) | doi:10.1038/nature12477  
Last updated: 5 October 2015 18:44:52 EDT  
  
Total citations  
**190** Web of Science   **212** Crossref   **191** Scopus  
  
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Keywords
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By Issue Date
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Titles
Keywords

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Register

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View Usage Statistics
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- Blogged by 1
- 13 readers on Mendeley

## Elevated pCO<sub>2</sub> exposure during fertilization of the bay scallop *Argopecten irradians* reduces larval survival but not subsequent shell size

**Citable URI**  
http://hdl.handle.net/1912/6598

**As published**  
http://dx.doi.org/10.3354/meps10621

**DOI**  
10.3354/meps10621

**Keyword**  
Ocean acidification; Bay scallop; Early development; Hypercapnia; Shell development; Fertilization

**Description**  
Author Posting. © Inter-Research, 2014. This article is posted here by permission of Inter-Research for personal use, not for redistribution. The definitive version was published in Marine Ecology Progress Series 498 (2014): 173-186, doi:10.3354/meps10621.

**Collections**  
Biology  
Geology and Geophysics (G&G)



# WHERE RESEARCHERS COME ACROSS ALTMETRICS

The screenshot displays the Web of Science interface with search results for the term 'altmetrics'. The top navigation bar includes the 'nature' logo and the 'JOURNAL OF THE ASSOCIATION FOR INFORMATION SCIENCE AND TECHNOLOGY'. The main header features the 'WEB OF SCIENCE™' logo and the 'THOMSON REUTERS™' logo. The search bar shows 'Search' and 'Results: 96 (from All Databases)'. The search criteria are 'You searched for: TOPIC: (altmetrics\*) ...More'. The results are sorted by 'Usage Count -- Last 180 days'. The first three results are listed, each with a title, author, journal, volume, issue, pages, and publication date. The first result is 'A review of theory and practice in scientometrics' by Mingers, John; Leydesdorff, Loet, published in the EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, Volume 246, Issue 1, Pages 1-19, published in OCT 1 2015. The second result is 'Alternative metrics in scientometrics: a meta-analysis of research into three altmetrics' by Bornmann, Lutz, published in SCIENTOMETRICS, Volume 103, Issue 3, Pages 1123-1144, published in JUN 2015. The third result is 'Do Altmetrics Work? Twitter and Ten Other Social Web Services' by Thelwall, Mike; Haustein, Stefanie; Lariviere, Vincent; et al., published in PLOS ONE, Volume 8, Issue 5, Article Number: e64841, published in MAY 28 2013. The right sidebar shows 'Times Cited' and 'Usage Count' for each result. The first result has 1 Times Cited and a Usage Count of 96 (Last 180 Days) and 96 (Since 2013). The second result has 0 Times Cited and a Usage Count of 74 (Last 180 Days). The third result has 66 Times Cited and a Usage Count of 69 (Last 180 Days). The bottom left corner shows '13 readers on Monday'.

**Results: 96**  
(from All Databases)

You searched for: TOPIC: (altmetrics\*) ...More

**Refine Results**

Search within results for...

**Databases**

**Research Domains**

- ☐ SCIENCE TECHNOLOGY
- ☐ SOCIAL SCIENCES
- ☐ ARTS HUMANITIES

**Refine**

Sort by: Usage Count -- Last 180 days

Page 1 of 10

☐ Select Page

☐ Save to EndNote online

☐ Add to Marked List

☐ 1. **A review of theory and practice in scientometrics**  
By: Mingers, John; Leydesdorff, Loet  
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH Volume: 246 Issue: 1 Pages: 1-19 Published: OCT 1 2015  
[@Link](#) [Full Text from Publisher](#) [View Abstract](#)

☐ 2. **Alternative metrics in scientometrics: a meta-analysis of research into three altmetrics**  
By: Bornmann, Lutz  
SCIENTOMETRICS Volume: 103 Issue: 3 Pages: 1123-1144 Published: JUN 2015  
[@Link](#) [Full Text from Publisher](#) [View Abstract](#)

☐ 3. **Do Altmetrics Work? Twitter and Ten Other Social Web Services**  
By: Thelwall, Mike; Haustein, Stefanie; Lariviere, Vincent; et al.  
PLOS ONE Volume: 8 Issue: 5 Article Number: e64841 Published: MAY 28 2013  
[@Link](#) [Full Text from Publisher](#) [View Abstract](#)

**Create Citation Report**

**Times Cited: 1**  
(from All Databases)

**Usage Count**

- Last 180 Days: 96
- Since 2013: 96

**Times Cited: 0**  
(from All Databases)

**Last 180 Days: 74**

**Times Cited: 66**  
(from All Databases)

**Last 180 Days: 69**

13 readers on Monday



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The Scopus team

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269Full Text Online (282)

View all versions

impact of research: research is less and less  
impact alone--we should aim to quantify the  
contributions of science to society

Email

pl.13(8), pp.673-6 [Peer Reviewed Journal]  
[Atkins] to  
detailsRecommendationsReport a problem

View all versions

anced landfill mining: private and societal

View all versions

ibois, Maarten ; Eyckmans, Johan ; de  
Frederic ; Tom Jones, Peter ; Van Acker,

Metric details

What is societal impact of research and how can it be assessed? a literature surveyBack to article

Bormann L  
(2013) Journal of the American Society for Information Science and Technology, 64(2), pp. 217-233

OverviewCitationsScholarly ActivitySocial Activity

Overview

Citation Count  
26  
Cited by in Scopus

Field-Weighted Citation Impact  
4.66

Citation Benchmarking  
98th percentile  
Compared to Computer Science (all) articles of  
the same age

Mendeley  
73 Readers

Twitter  
30 Tweets

About Snowball Metrics

Engagement highlights

Scholarly Activity - 74 readers from 2 sources

Downloads and posts in common research tools

Mendeley: 73 Readers  
Top Discipline: Social Sciences  
Top Demographic: Ph D Student  
Save to Mendeley

citeulikeCiteULike: 1 Save

Benchmark highlights  
Based on 74 readers from 2 sources  
Compared to Computer Science (all) articles of same age  
All Scholarly Activity - 74 99TH PERCENTILE  
View all Scholarly Activity

Social Activity - 30 mentions from 1 source

Mentions characterized by rapid, brief engagement on platforms used by the general  
population, such as Twitter, Facebook, and Google +.

30 tweets from 26 accounts

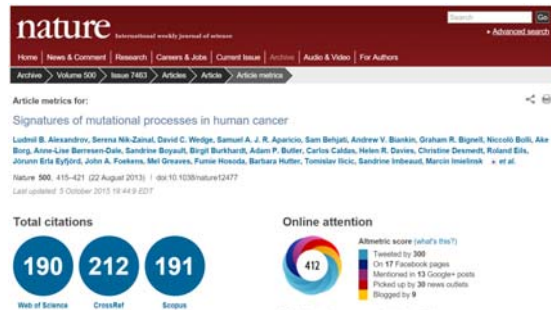
Benchmark highlights  
Based on 30 mentions from 1 source  
Compared to Computer Science (all) articles of same age  
All Social Activity - 30 99TH PERCENTILE  
View all Social Activity

Select data provided by altmetric.com

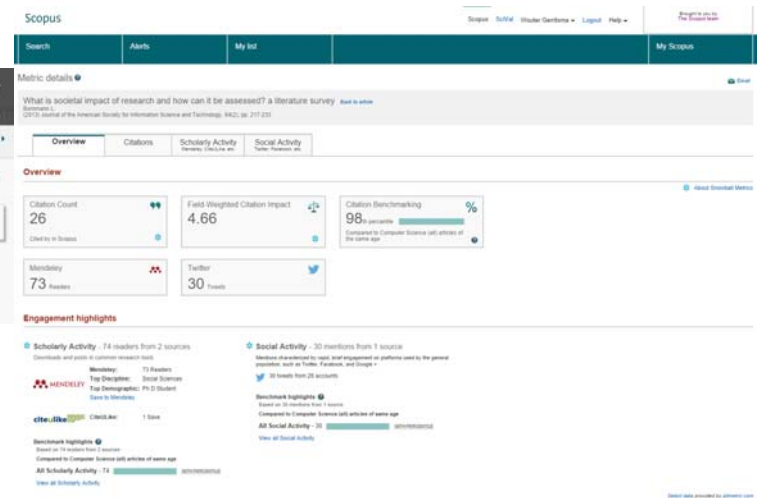
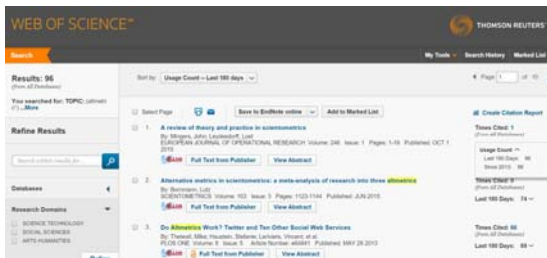
VU  
VRIJE  
UNIVERSITEIT  
AMSTERDAM

8 Altmetric opportunities for libraries

# RESEARCHERS COME ACROSS ALTMETRICS IN LIBRARY RELATED PRODUCTS



Page views 200,725



# LIBRARY OUTREACH : WHAT ARE ALTMETRICS

- Know the subject of Altmetrics
- Start small, gain experience
- Altmetrics  $\neq$  twitter mentions or facebook likes
  - But the connection to social networks is important to make
  - For researchers their publication list is their most fundamental social network
- Share your presentations and experience, they are your ticket for a subsequent presentation

# COLLECTING ALTMETRICS





# INTEGRATION WITH THE CRIS

## Current Research Information System

- One of the important source systems at the campus, specialized in collecting publication information
- Closely integrated with the institutional repository
- Leave out the C

## Institutional Bibliography

# INSTITUTIONAL REPOSITORY

Collecting publication information

- Collecting for the sake of collecting, has no purpose
- Collecting for reporting only, has no purpose

The fun part is in the *analysis*

- Bibliometrics
- Altmetrics
- Collaboration analysis
- Collection analysis
- Visualizations

# COLLECTING AND ANALYZING

Librarians need new skill sets

Get your CRIS in good shape

For the analytics, there are commercial providers

Bibliometrics: InCites, SciVal in NL: CWTS monitor

Altmetrics:



ACADEMIA



ResearchGate



# COMPREHENSIVE COLLECTION OF OUTPUT

<b>Scholarly publications</b>	
Peer reviewed articles	5347
Non-refereed articles	146
Books	100
Book sections	666
PhD Theses	383
Conference contributions	414
<b>Professional publications</b>	
Articles	584
Books	36
Book sections	109
Annotations	144
Conference contributions	33
Reports	261
<b>Popular publications</b>	
Books	12
Book sections	33
Magazine article	253



# PREPARE THE UNIVERSITY OUTPUT FOR METRICS

- Support researchers with their ORCiD
- Assign permanent, *citable*, identifiers to grey output
  - Theses
  - Working papers
  - Reports
  - Conference contributions

**DOI** is the only realistic option

## 2 WARNINGS

- Don't collect metrics for peer reviewed articles only
- Don't concentrate on a single altmetric indicator as the best predictor for citations

*But*

Have a basket full of metrics,  
to let them tell stories about their research

THANK YOU !

<http://www.slideshare.net/Wowter/altmetric-opportunities-for-libraries-2am-conference-2015>

